

Power Cost Memorandum Fuel Cost Update

Date: December 17, 2020

| | | |
|---|---------------------------------------|---|
| Utility Name (Cert. No.) (586) Tatitlek Village IRA Council d/b/a | Utility File No. PC16-0316U | Date Filed: November 10, 2020 |
| <u>Tatitlek Electric Utility</u> | | |

| PCE AMOUNT SUMMARY | Previously Approved PC16-0316T | Staff Recommended Amount(s) and Effective Date PC16-0316U |
|---|---|--|
| Class Rate | Date Approved: August 21, 2020 | December 18, 2020 |
| ALL | \$0.4481 | \$0.4858 |
| <input checked="" type="checkbox"/> Permanent <input type="checkbox"/> Interim <input checked="" type="checkbox"/> Permanent <input type="checkbox"/> Interim | | |

| | |
|---|---|
| Prior Fuel Purchase Price: <u>\$ 3.4057</u> <input type="checkbox"/> Actual <input checked="" type="checkbox"/> Weighted | New Fuel Purchase Price: \$ 3.7822 <input type="checkbox"/> Actual <input checked="" type="checkbox"/> Weighted |
| Delivery Charge: _____ | Surcharge Change: Previous _____ Updated _____ |

| Weighted Average Fuel Price/Gal. Calculation | | | | | |
|--|--------------|---|--------|---|---|
| | Gallons | | Price | | |
| On-hand before deliv. | 500 | X | 3.4057 | = | 1,702.8 |
| Delivered | 9,467 | X | 3.8021 | = | 35,995.5 |
| | <u>9,967</u> | | | | <u>\$37,698.35</u> |
| | | | | | Weighted Average \$ 3.7822 |

Signed: Brenda Cox
 Brenda Cox Utility Financial Analyst

Commission decision re. this recommendation :

| | Date (if different from 12/17/20) | I CONCUR | I DO NOT CONCUR | I WILL WRITE A DISSENTING STATEMENT * |
|----------|--------------------------------------|-------------------|--------------------|---|
| Pickett | | <u>RMP</u> | | |
| McAlpine | | <u>SM</u> SM | | |
| Scott | | <u>AGS</u> AGS | | |
| Sullivan | | <u>DS</u> DS | | |
| Wilson | | <u>JW</u> JW | | |

Special Instructions to Staff:

* If this column is initialed, Staff will contact the Commissioner for the statement, otherwise, dissent will simply be noted at the close of the By Direction Letter or Order.

Tatitlek Village IRA Council d/b/a Tatitlek Electric Utility

APPENDIX 1

POWER COST EQUALIZATION CALCULATION
FOR TEST PERIOD ENDING DECEMBER 31, 2015
Fuel Cost Update

| | PC16-0316T | PC16-0316U |
|--|---------------------------------|--|
| | Prior Commission Approval | Per Utility Staff Recommended |
| A. Total kWh Generated | 420,158 | 420,158 |
| B. Total kWh Sold (Appendix 2) | 344,697 | 344,697 |
| C. Total Non-Fuel Costs (Appendix 2) | 109,947 | 109,947 |
| D. Non-Fuel Cost/kWh (C / B) | \$0.3190 | \$0.3190 |
| E. Total Fuel Costs (Appendix 2) | 123,748 | 137,431 |
| F. Fuel Costs/kWh (E / B) | \$0.3590 | \$0.3987 |
| G. Eligible Costs/kWh (D + F) | \$0.6780 | \$0.7177 |
| H. Eligible Cost/kWh (G) less 20.63 cents | \$0.4717 | \$0.5114 |
| I. Lesser of (H) or 79.37 cents/kWh | \$0.4717 | \$0.5114 |
| J. Average Class Rates (Appendix 3) ALL | \$0.7137 | \$0.7137 |
| Class Power Cost Equalization Per kWh Payable | | |
| K. Lesser of: (I) x 95% or (J) ALL | \$0.4481 | \$0.4858 |
| L. Funding Level in Effect ALL | 100% \$0.4481 | 100% \$0.4858 |

PC16-0316U
Appendix 1

Tatitlek Village IRA Council d/b/a Tatitlek Electric Utility

APPENDIX 2

SCHEDULE OF ELIGIBLE POWER COSTS, SALES, AND EFFICIENCY
FOR TEST PERIOD ENDING DECEMBER 31, 2015

Fuel Cost Update

| | | | PC16-0316T | PC16-0316U | |
|---|---|---------------------------|---------------------------------|------------------|------------------|
| Non-Fuel Costs: | | | Prior Commission Approval | Per Utility | Per Staff |
| A. | Personnel Costs | | 59,555 | 59,555 | 59,555 |
| B. | Operating Expenses | | 5,010 | 5,010 | 5,010 |
| C. | General & Administrative | | 21,299 | 21,299 | 21,299 |
| D. | Depreciation | | 24,083 | 24,083 | 24,083 |
| E. | Interest Expense | | 0 | 0 | 0 |
| F. | Other (Describe) | | 0 | 0 | 0 |
| G. | Total Non-Fuel Costs | | \$109,947 | \$109,947 | \$109,947 |
| Fuel Costs: | | | | | |
| H. | Gallons Consumed for Electric Generation | | 36,336 | 36,336 | 36,336 |
| I. | Price of Fuel: Weighted Average | | \$3.4057 | \$3.7822 | \$3.7822 |
| J. | Total Cost of Fuel | | \$123,748 | \$137,431 | \$137,431 |
| K. | kWh Generated | | 420,158 | 420,158 | 420,158 |
| L. | kWh Sales | | 344,697 | 344,697 | 344,697 |
| M. | kWh Station Service | | 28,278 | 28,278 | 28,278 |
| N. | Efficiency (K /H) | ≥ <u>Standard</u> 10.5 | 11.56 | 11.56 | 11.56 |
| O. | Line Loss & Station Service | ≤ 12% | 11.23% | 11.23% | 11.23% |
| (kWh generated -(kWh Sold + Station Service))/kWh Generated | | | | | |

| | | | | | | |
|-----------|--------------|---|----------|---|--------------------|----------------------|
| On Hand | 500 | x | \$3.4057 | = | \$1,702.83 | |
| Delivered | 9,467 | x | \$3.8021 | = | \$35,995.52 | Weighted Avg: |
| | <u>9,967</u> | | | | <u>\$37,698.35</u> | <u>\$3.7822</u> |

PC16-0316U
Appendix 2

**Tatitlek Village IRA Council d/b/a
Tatitlek Electric Utility**

Appendix 3
Page 1 of 2

CALCULATION OF AVERAGE CLASS RATE PER kWh

Rate Schedule: Residential

| (1) Block (by kWh) | (2) Rate (\$/kWh) | (3) Surcharge (\$/kWh) | (4) Total (\$/kWh) (2+3) | (5) Total \$ (1x4) | (6) Avg. (\$/kWh) (5)/(1) | (7) Avg. Rate (\$/kWh) - \$ 0.2063 |
|--------------------------|-------------------------|------------------------------|-----------------------------------|-----------------------------|------------------------------------|---|
| 0 to 500 | 0.9200 | | 0.9200 | 460.0000 | | |
| to | | | | | | |
| to | | | | | | |
| to | | | | | | |
| Max 500 | | | Total | 460.00 | 0.9200 | 0.7137 |

Rate Schedule:

| (1) Block (by kWh) | (2) Rate (\$/kWh) | (3) Surcharge (\$/kWh) | (4) Total (\$/kWh) (2+3) | (5) Total \$ (1x4) | (6) Avg. (\$/kWh) (5)/(1) | (7) Avg. Rate (\$/kWh) - \$ 0.2063 |
|--------------------------|-------------------------|------------------------------|-----------------------------------|-----------------------------|------------------------------------|---|
| 0 to | | | | | | |
| to | | | | | | |
| to | | | | | | |
| to | | | | | | |
| Max 500 | | | Total | | | |

Rate Schedule:

| (1) Block (by kWh) | (2) Rate (\$/kWh) | (3) Surcharge (\$/kWh) | (4) Total (\$/kWh) (2+3) | (5) Total \$ (1x4) | (6) Avg. (\$/kWh) (5)/(1) | (7) Avg. Rate (\$/kWh) - \$ 0.2063 |
|--------------------------|-------------------------|------------------------------|-----------------------------------|-----------------------------|------------------------------------|---|
| 0 to | | | | | | |
| to | | | | | | |
| to | | | | | | |
| to | | | | | | |
| Max 500 | | | Total | | | |

Rate Schedule:

| (1) Block (by kWh) | (2) Rate (\$/kWh) | (3) Surcharge (\$/kWh) | (4) Total (\$/kWh) (2+3) | (5) Total \$ (1x4) | (6) Avg. (\$/kWh) (5)/(1) | (7) Avg. Rate (\$/kWh) - \$ 0.2063 |
|--------------------------|-------------------------|------------------------------|-----------------------------------|-----------------------------|------------------------------------|---|
| 0 to | | | | | | |
| to | | | | | | |
| to | | | | | | |
| to | | | | | | |
| Max 500 | | | Total | | | |

CALCULATION OF COMMUNITY FACILITY AVERAGE RATE PER kWh

Rate Schedule: Community Facilities

| (1) Block | (2) Rate/ kWh | (3) Surcharge (\$/kWh) | (4) Total (\$/kWh) (2+3) | (6) Average Rate(\$/kWh)- \$ 0.2063 |
|--------------|---------------------|------------------------------|-----------------------------------|--|
| 0 to | 0.9200 | | 0.9200 | 0.7137 |
| to | | | | |
| to | | | | |
| | | | | |

Rate Schedule:

| (1) Block | (2) Rate/ kWh | (3) Surcharge (\$/kWh) | (4) Total (\$/kWh) (2+3) | (6) Average Rate(\$/kWh)- \$ 0.2063 |
|--------------|---------------------|------------------------------|-----------------------------------|--|
| 0 to | | | | |
| to | | | | |
| to | | | | |
| | | | | |

Rate Schedule:

| (1) Block | (2) Rate/ kWh | (3) Surcharge (\$/kWh) | (4) Total (\$/kWh) (2+3) | (6) Average Rate(\$/kWh)- \$ 0.2063 |
|--------------|---------------------|------------------------------|-----------------------------------|--|
| 0 to | | | | |
| to | | | | |
| to | | | | |
| | | | | |

Rate Schedule:

| (1) Block | (2) Rate/ kWh | (3) Surcharge (\$/kWh) | (4) Total (\$/kWh) (2+3) | (6) Average Rate(\$/kWh)- \$ 0.2063 |
|--------------|---------------------|------------------------------|-----------------------------------|--|
| 0 to | | | | |
| to | | | | |
| to | | | | |
| | | | | |

Tatitlek Village IRA Council d/b/a Tatitlek Electric Utility

Fuel Purchases

| | Delivery Date | Gallons | Cost per Gallon | Delivery/ Mark-Up per Gallon | Total Cost |
|--|---------------|---|-----------------|------------------------------|------------|
| Beginning Fuel Inventory | | 500 | | | |
| Last Approved Fuel Cost/Gal. | | | \$ 3.4057 | | |
| Beginning Fuel Inventory in Gallons | X | Last Approved Fuel Cost/Gal. = Beginning Fuel Inventory Cost ---> | | | \$ 1,703 |
| Reporting Period Purchases | 08/09/20 | 1,821.3 | 3.6345 | | 6,620 |
| | 09/05/20 | 4,847.5 | 3.8750 | | 18,784 |
| | 10/11/20 | 2,798.4 | 3.7850 | | 10,592 |
| | | | | | - |
| | | | | | - |
| | | | | | - |
| | | | | | - |
| | | | | | - |
| | | | | | - |
| | | | | | - |
| | | | | | - |
| | | | | | - |
| Totals for Reporting Period Purchases on this sheet: | | 9,467 | | | 35,996 |
| Grand Totals (beginning inventory plus purchases) | | 9,967 | | B \$ | 37,698 |

Grand Total Cost divided by Grand Total Gallons = 3.7822 Weighted Avg. Cost per gallon
Purchase Total Cost divided by Purchase Total Gallons = 3.8021 Cost Per Gallon

Signature: Robert M Pickett

Email: bob.pickett@alaska.gov

Signature: Stephen McAlpine
Stephen McAlpine (Dec 17, 2020 08:52 AKST)

Email: stephen.mcalpine@alaska.gov

Signature: Antony Scott
Antony Scott (Dec 17, 2020 09:23 AKST)

Email: antony.scott@alaska.gov

Signature: Daniel Sullivan
Daniel Sullivan (Dec 17, 2020 10:38 AKST)

Email: daniel.sullivan@alaska.gov

Signature: Jan Wilson
Jan Wilson (Dec 17, 2020 16:49 AKST)

Email: janis.wilson@alaska.gov